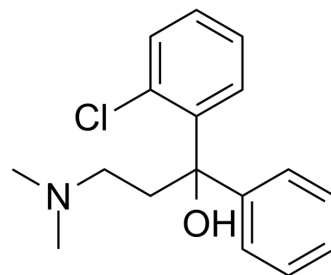


## Chlophedianol

<b>Cat. No.:</b>	HY-A0161
<b>CAS No.:</b>	791-35-5
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>20</sub> ClNO
<b>Molecular Weight:</b>	289.8
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Chlophedianol (Clofedanol) is an orally active and potent antitussive agent. Chlophedianol can be used for the research of acute cough due to upper respiratory tract infections (URIs) <sup>[1][2]</sup> .								
<b>In Vivo</b>	<p>Chlophedianol hydrochloride (0-162 mg/kg; p.o. or s.c.; once) lowers the volume output of respiratory tract fluid in rabbits and cats<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Healthy, adult, male rabbits and cats<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>2.0, 6.0, 18, 54 and 162 mg/kg (PO) or 1.0, 3.0, 9.0, 27 and 81 mg/kg (SC)</td> </tr> <tr> <td>Administration:</td> <td>Oral or subcutaneous administration, once</td> </tr> <tr> <td>Result:</td> <td>Lowered the volume output of respiratory tract fluid, slightly but significantly over a period of one to three hours after administration. Produced a decrease in the number of animals in which pledgets of mucus appeared in the respiratory tract.</td> </tr> </table>	Animal Model:	Healthy, adult, male rabbits and cats <sup>[1]</sup>	Dosage:	2.0, 6.0, 18, 54 and 162 mg/kg (PO) or 1.0, 3.0, 9.0, 27 and 81 mg/kg (SC)	Administration:	Oral or subcutaneous administration, once	Result:	Lowered the volume output of respiratory tract fluid, slightly but significantly over a period of one to three hours after administration. Produced a decrease in the number of animals in which pledgets of mucus appeared in the respiratory tract.
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### REFERENCES

- [1]. Boyd EM, et al. Chlophedianol Hydrochloride: A New Antitussive Agent. Can Med Assoc J. 1960 Dec 17;83(25):1298-301.
- [2]. Paul IM. Therapeutic options for acute cough due to upper respiratory infections in children. Lung. 2012 Feb;190(1):41-4.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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